

ABSTRACT OF THE DISCLOSURE

A method of enhancing inorganic carbon fixation by a photosynthetic organism. The method is effected by transforming cells of the photosynthetic organism with an expressible polynucleotide encoding a polypeptide having a bicarbonate transporter activity. Preferably, the polynucleotide further includes a plant promoter. Sequences and constructs for implementing the method are also described.

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